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Notice of Allowability	Application No.	Applicant(s)	
	10/720,385	KIM ET AL.	
	Examiner	Art Unit	
	Matt P. Hodges	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 12-29-2004.
2. ☒ The allowed claim(s) is/are 22-27,29-35,37-43,45-51,53-60,62-68 and 70-94.
3. ☒ The drawings filed on 25 November 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In preliminary amendment filed 11/25/2003 change line 1 to:

"This application is a Continuation of Patent No. 6,680,573"

Response to Amendment

The Amendment, filed on 12/29/2004, has been entered and acknowledged by the Examiner.

Allowable Subject Matter

Claims 22-27, 29-35, 37-43, 45-51, 53-60, 62-68, and 70-94 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 22, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 22, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes, each with a first and second end, where bus electrodes are formed on either end of the first and second electrodes and where gaps formed between the electrodes combine to cover less than or equal to 25% of the surface area of the electrodes.

Regarding claims 23-27, claims 23-27 are allowable for the reasons given in claim 22 because of their dependency status from claim 22.

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Regarding claim 29, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 29, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes, each with a first and second end, where bus electrodes are formed on either end of the first and second electrodes and where the width of gaps formed between the electrodes combine to have less than or equal to 25% of a combined width of the of the electrodes.

Regarding claims 30-35, claims 30-35 are allowable for the reasons given in claim 29 because of their dependency status from claim 29.

Regarding claim 37, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 37, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes, each with a first and second end, where bus electrodes are formed on either end of the first and second electrodes and where the width of gaps formed between the electrodes combine to have less than or equal to 50% of a width of the of the first electrode.

Regarding claims 38-43, claims 38-43 are allowable for the reasons given in claim 37 because of their dependency status from claim 37.

Regarding claim 45, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 45, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes where the width of each gap formed between the electrodes is less than or equal to 20% of the pixel pitch.

Regarding claims 46-51 and 53, claims 46-51 and 53 are allowable for the reasons given in claim 45 because of their dependency status from claim 45.

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Regarding claim 54, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 54, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes where the width of gaps formed between the electrodes combine to have less than or equal to 25% of a combined width of the of the electrodes and the width of each gap formed between the electrodes is less than or equal to 20% of the pixel pitch.

Regarding claims 55-60 and 62-64, claims 55-60 and 62-64 are allowable for the reasons given in claim 54 because of their dependency status from claim 54.

Regarding claim 65, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 65, and specifically comprising the limitation of a plasma display panel including first and second sustain electrodes where the width of gap formed between the electrodes is less than or equal to 25% of a combined width of the of the electrodes and the width of each gap formed between the electrodes is less than or equal to 20% of the pixel pitch.

Regarding claims 66-68 and 70-72, claims 66-68 and 70-72 are allowable for the reasons given in claim 65 because of their dependency status from claim 65.

Regarding claims 73-94, claims 73-94 are allowable for the reasons given above as they depend on at least one of the above mentioned independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shino et al. (US 6,586,879) discloses the use of small gaps between sustain electrodes, but is filed after the pending application.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matt P Hodges whose telephone number is (571) 272-2454. The examiner can normally be reached on 7:30 AM to 4:00 PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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